

Appendix table 2-1

Percentage of 25- to 29-year-old high school completers with some college and percentage that completed college, by sex and race/ethnicity: 1990–2000

Year	Total			White, non-Hispanic			Black, non-Hispanic			Hispanic		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Percent with some college												
1990.....	52.0	51.8	52.1	53.6	53.4	53.8	44.1	43.0	45.0	40.1	40.4	39.8
1991.....	53.1	52.3	53.8	54.9	54.7	55.1	43.2	38.3	47.7	42.2	40.9	43.4
1992.....	56.7	56.0	57.4	58.8	58.3	59.2	44.7	42.3	46.9	46.8	44.5	49.6
1993.....	58.9	57.6	60.1	61.0	60.3	61.6	48.4	43.6	52.5	48.8	46.1	51.9
1994.....	60.5	58.9	62.0	62.7	61.0	64.3	49.6	48.7	50.3	51.5	48.3	55.0
1995.....	62.2	60.6	63.9	64.6	62.6	66.7	52.0	51.2	52.5	50.3	48.0	52.7
1996.....	64.7	63.1	66.3	67.0	65.5	68.4	55.9	54.5	57.1	50.9	47.0	55.6
1997.....	65.4	64.0	66.8	68.2	66.9	69.5	53.7	50.2	56.5	53.9	51.9	56.1
1998.....	65.6	63.0	68.1	68.5	66.2	70.8	56.6	52.9	59.7	51.7	48.9	54.7
1999.....	66.1	63.6	68.5	68.7	66.1	71.2	57.8	52.1	62.3	50.6	47.7	53.2
2000.....	66.2	63.5	68.8	68.2	65.1	71.2	60.8	57.6	63.3	52.3	48.9	55.1
Percent that completed college												
1990.....	27.1	28.0	26.2	29.3	30.0	28.6	16.4	18.6	14.5	14.0	12.9	15.2
1991.....	27.2	27.0	27.3	29.7	29.7	29.8	13.4	13.7	13.1	16.3	14.4	18.1
1992.....	27.3	26.9	27.8	30.0	29.5	30.4	13.7	14.2	13.2	15.6	14.3	17.0
1993.....	27.3	27.2	27.4	29.8	30.0	29.5	16.1	14.8	17.2	13.6	12.1	15.3
1994.....	27.0	26.6	27.4	29.7	29.8	29.6	16.2	14.0	17.9	13.3	11.3	15.5
1995.....	28.4	28.4	28.5	31.2	30.9	31.4	17.8	19.7	16.1	15.5	14.0	17.1
1996.....	31.1	30.2	32.0	34.1	33.6	34.7	17.0	13.9	19.6	16.4	17.1	15.6
1997.....	31.8	30.7	32.9	35.2	34.1	36.2	16.4	13.7	18.5	17.8	16.1	19.6
1998.....	31.0	29.6	32.4	34.5	32.9	36.1	17.9	16.1	19.3	16.5	15.9	17.1
1999.....	32.1	31.2	33.0	36.1	34.8	37.3	16.9	14.9	18.6	14.4	13.0	15.8
2000.....	33.0	32.3	33.7	36.2	34.8	37.6	20.6	21.0	20.3	15.4	13.8	21.5

NOTE: The Current Population Survey questions used to obtain educational attainment were changed in 1992. Prior to 1992, "some college" includes those who had completed at least one year of college. From 1992 to 2000, "some college" includes those who reported "some college" as well as those with an associate's degree, vocational certificate, or baccalaureate degree. Prior to 1992, "completed college" includes those who had completed 4 or more years of college. For 1992 to 2000, "completed college" includes those with a bachelor's degree or higher. Included in the total but not shown separately are other racial/ethnic groups.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *The Condition of Education 2001*, NCES 2001-072 (Washington, DC: U.S. Government Printing Office, 2001).

Appendix table 2-2

Total and full-time undergraduate enrollment at all institutions, by sex, citizenship, and race/ethnicity: Fall 1990–97

Enrollment status, sex, citizenship, and race/ethnicity	1990	1991	1992	1993	1994	1995	1996	1997
Total undergraduate enrollment.....	12,110,847	12,595,335	12,693,778	12,482,813	12,417,701	12,399,826	12,424,570	12,458,456
Whites, non-Hispanic.....	9,273,439	9,508,527	9,388,226	9,101,085	8,916,770	8,806,202	8,731,457	8,684,498
Asians/Pacific Islanders.....	506,837	565,166	620,463	642,893	683,508	700,828	721,773	745,299
Blacks, non-Hispanic.....	1,148,979	1,231,252	1,282,732	1,292,621	1,319,684	1,336,052	1,354,910	1,382,028
Hispanics.....	866,096	949,346	1,032,817	1,064,348	1,109,931	1,167,472	1,218,711	1,253,807
American Indians/Alaskan Natives.....	95,496	105,839	110,879	112,727	117,434	120,728	122,943	127,191
Temporary residents.....	220,000	235,205	258,661	269,139	270,374	268,544	274,776	265,633
Male.....	5,438,593	5,632,690	5,644,113	5,547,126	5,484,342	5,467,370	5,475,620	5,467,836
Whites, non-Hispanic.....	4,184,777	4,273,310	4,195,726	4,067,289	3,963,400	3,918,342	3,890,906	3,858,521
Asians/Pacific Islanders.....	257,618	284,673	308,564	318,289	335,960	342,084	350,740	359,927
Blacks, non-Hispanic.....	448,389	478,648	496,123	500,194	503,512	507,380	513,676	521,120
Hispanics.....	381,165	418,243	453,488	467,155	485,782	505,162	523,717	535,742
American Indians/Alaskan Natives.....	39,938	44,186	46,572	47,233	48,650	50,223	51,008	52,651
Temporary residents.....	126,706	133,630	143,640	146,966	147,038	144,179	145,573	139,875
Female.....	6,672,254	6,962,645	7,049,665	6,935,687	6,933,359	6,932,456	6,948,950	6,990,620
Whites, non-Hispanic.....	5,088,662	5,235,217	5,192,500	5,033,796	4,953,370	4,887,860	4,840,551	4,825,977
Asians/Pacific Islanders.....	249,219	280,493	311,899	324,604	347,548	358,744	371,033	385,372
Blacks, non-Hispanic.....	700,590	752,604	786,609	792,427	816,172	828,672	841,234	860,908
Hispanics.....	484,931	531,103	579,329	597,193	624,149	662,310	694,994	718,065
American Indians/Alaskan Natives.....	55,558	61,653	64,307	65,494	68,784	70,505	71,935	74,540
Temporary residents.....	93,294	101,575	115,021	122,173	123,336	124,365	129,203	125,758
Full-time undergraduate enrollment, total.....	7,096,494	7,346,260	7,369,223	7,302,852	7,287,543	7,275,785	7,340,530	7,433,839
Whites, non-Hispanic.....	5,410,069	5,510,013	5,437,032	5,310,930	5,220,478	5,163,690	5,173,725	5,215,055
Asians/Pacific Islanders.....	309,168	339,467	367,609	387,105	416,347	428,108	439,215	452,629
Blacks, non-Hispanic.....	678,434	733,802	753,189	763,883	777,098	778,659	795,368	812,110
Hispanics.....	483,309	528,946	561,566	581,418	604,721	636,116	657,342	673,976
American Indians/Alaskan Natives.....	51,057	57,339	60,942	62,710	65,909	67,369	69,178	72,563
Temporary residents.....	164,457	176,693	188,885	196,806	202,990	201,843	205,702	207,506
Male.....	3,383,161	3,484,304	3,473,410	3,430,498	3,388,062	3,347,441	3,353,561	3,379,157
Whites, non-Hispanic.....	2,611,667	2,648,578	2,598,252	2,531,133	2,463,939	2,414,960	2,405,911	2,412,811
Asians/Pacific Islanders.....	160,755	174,480	187,040	195,676	208,652	212,555	216,595	221,241
Blacks, non-Hispanic.....	277,966	299,931	305,603	309,775	309,009	305,834	309,646	316,346
Hispanics.....	212,212	232,628	247,291	254,896	263,705	273,117	279,115	284,528
American Indians/Alaskan Natives.....	22,673	25,081	26,785	27,690	28,618	29,078	29,563	31,103
Temporary residents.....	97,888	103,606	108,439	111,328	114,139	111,897	112,731	113,128
Female.....	3,713,333	3,861,956	3,895,813	3,872,354	3,899,481	3,928,344	3,986,969	4,054,682
Whites, non-Hispanic.....	2,798,402	2,861,435	2,838,780	2,779,797	2,756,539	2,748,730	2,767,814	2,802,244
Asians/Pacific Islanders.....	148,413	164,987	180,569	191,429	207,695	215,553	222,620	231,388
Blacks, non-Hispanic.....	400,468	433,871	447,586	454,108	468,089	472,825	485,722	495,764
Hispanics.....	271,097	296,318	314,275	326,522	341,016	362,999	378,227	389,448
American Indians/Alaskan Natives.....	28,384	32,258	34,157	35,020	37,291	38,291	39,615	41,460
Temporary residents.....	66,569	73,087	80,446	85,478	88,851	89,946	92,971	94,378

NOTE: Data on race/ethnicity are for U.S. citizens and permanent residents only and do not include students on temporary visas.

SOURCE: Tabulations by National Science Foundation, Division of Science Resources Statistics; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, various years.

Appendix table 2-3

Percentage distribution of 1988 eighth graders, by high school completion status and postsecondary education enrollment, by disability status and type: 1994

Disability status and type	High school completion status				High school completers enrolled in postsecondary education			
	Enrolled in high school or working toward GED	Dropped out	High school diploma	GED or equivalent certificate	Total	At 4-year institution	At public 2-year institution	At other institution ^a
Total.....	5.2	6.8	82.0	6.0	70.4	59.4	34.4	6.2
Without disabilities.....	4.3	6.0	83.8	5.9	71.7	61.5	33.3	5.3
With disabilities.....	10.6	10.3	72.4	5.7	62.8	42.0	44.9	13.1
Visual impairment.....	15.8	2.0	77.3	4.9	70.4	48.4	44.2	7.4
Hearing impairment or deaf.....	10.3	4.4	75.5	9.8	60.2	39.8	47.0	13.2
Speech impairment.....	6.0	4.7	87.0	2.3	58.5	49.0	47.6	3.5
Orthopedic impairment.....	5.9	17.4	75.0	1.7	73.9	71.4	23.6	5.1
Learning disability.....	9.6	12.3	71.4	6.8	57.5	28.2	53.9	17.9
Other disability or impairment ^b	14.3	11.5	67.0	7.2	65.9	44.3	42.8	13.0

^aPrivate, for-profit less-than-4-year institution; public less-than-2-year institution; or private, not-for-profit less-than-4-year institution.

^bParent reported student had any other disability including health problems, emotional problems, mental retardation, or other physical disabilities and had received services for it.

NOTES: Percentages may not total 100 because of rounding. GED refers to passing the General Education Development exam.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Students With Disabilities in Postsecondary Education: A Profile of Preparation, Participation, and Outcomes*, NCES 1999-187 (Washington, DC, 1999).

Appendix table 2-4

Percentage distribution of 1995/96 undergraduates, by selected demographic characteristics and enrollment intensity

Demographic characteristic and enrollment intensity	All undergraduates	Men	Women	Whites, non-Hispanic	Asians/Pacific Islanders	Blacks, non-Hispanic	Hispanics	American Indians/Alaskan Natives
Age								
18 or younger.....	9.6	9.3	9.8	9.7	8.9	8.6	10.9	6.0
19–23.....	45.1	48.4	42.5	45.3	51.8	40.3	45.5	40.7
24–29.....	18.3	19.1	17.7	17.2	19.8	20.7	21.6	22.8
30–39.....	15.0	13.4	16.2	14.8	11.6	18.3	14.3	21.7
40 or older.....	12.1	9.8	13.8	13.1	7.9	12.2	7.8	8.9
Average age.....	26.6	25.8	27.2	26.8	25.3	27.2	25.3	27.3
Family income^a								
Less than \$20,000.....	18.8	18.4	19.2	12.1	29.2	39.9	38.0	36.8
\$20,000–39,999.....	22.8	21.6	23.9	21.0	25.3	28.1	29.2	24.3
\$40,000–59,999.....	22.7	22.9	22.6	25.4	16.4	16.4	14.0	19.9
\$60,000–79,999.....	16.7	17.2	16.2	19.2	12.6	7.3	10.6	13.8
\$80,000–99,999.....	8.3	8.4	8.2	9.6	6.4	5.0	4.3	3.2
\$100,000 or more.....	10.7	11.4	10.0	12.7	10.1	3.4	3.8	2.1
Marital status								
Not married.....	77.1	80.8	74.4	75.8	83.7	80.2	78.5	72.7
Married.....	21.0	18.3	23.0	22.6	15.8	16.2	18.5	25.1
Separated.....	1.9	1.0	2.7	1.6	0.5	3.6	3.0	2.3
Number of dependents								
None.....	75.5	81.1	71.3	78.0	85.9	61.6	69.7	63.8
One.....	10.7	8.0	12.7	9.2	5.3	18.3	14.0	16.9
Two or more.....	13.8	10.9	16.0	12.7	8.8	20.2	16.3	19.2
Single parent.....	11.0	6.9	14.1	8.6	5.9	23.7	14.9	16.0
Enrollment intensity								
Full time full year.....	38.3	40.0	37.0	39.0	44.6	33.6	34.6	36.3
Full time part year.....	13.1	13.7	12.6	12.2	13.2	16.4	14.6	13.7
Part time full year.....	24.2	22.1	25.8	23.7	23.5	25.6	26.5	25.9
Part time part year.....	24.2	24.2	24.6	25.1	18.8	24.4	24.3	24.2

^aIncludes only students who are dependents.**SOURCE:** U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study.*Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002*

Appendix table 2-5

Percentage distribution of academic year 1995/96 undergraduate students, by selected demographic and educational characteristics and disability status

Page 1 of 2

Characteristic	Total ^a	Without disabilities	With disabilities
Age			
18 or younger.....	10.2	10.3	8.2
19–23.....	44.7	45.0	37.8
24–29.....	17.9	18.3	13.6
30–39.....	15.0	14.8	17.7
40 or older.....	12.2	11.6	22.7
Average age.....	27.0	26.0	30.0
Sex			
Male.....	44.1	43.7	50.0
Female.....	55.9	56.3	50.0
Race/ethnicity			
White, non-Hispanic.....	71.4	71.0	80.9
Asian/Pacific Islander.....	5.3	5.4	1.8
Black, non-Hispanic.....	11.6	11.8	7.1
Hispanic.....	10.3	10.5	7.7
American Indian/Alaskan Native.....	0.9	0.8	2.1
Other.....	0.5	0.5	0.4
Income quartile			
Low income quartile.....	22.2	21.9	26.8
Middle income quartiles.....	50.5	50.7	50.0
High income quartile.....	27.4	27.5	23.2
Marital status			
Married.....	24.6	24.6	27.1
Has dependents.....	24.2	23.8	29.8
Institution type			
4-year institution.....	46.1	46.7	39.6
Other institution ^b	53.9	53.3	60.4
Financial aid			
Received any financial aid.....	52.4	53.2	47.7
Received Federal aid.....	39.3	40.0	33.8
Received grants.....	40.3	41.1	34.9
Received loans.....	31.1	31.7	25.7
Received employer aid.....	2.8	2.9	2.0
Received work-study.....	8.5	8.8	6.1
Received other aid.....	8.0	7.9	11.1
Enrollment intensity			
Full time full year.....	40.5	40.8	38.7
Full time part year.....	12.7	12.4	15.6
Part time full year.....	24.6	24.6	24.5
Part time part year.....	22.2	22.3	21.2

See explanatory information and SOURCE at end of table

Appendix table 2-5

Percentage distribution of academic year 1995/96 undergraduate students, by selected demographic and educational characteristics and disability status

Page 2 of 2

Characteristic	Total ^a	Without disabilities	With disabilities
Major field of study ^c			
Science and engineering, total.....	26.7	26.9	26.4
Physical sciences.....	1.0	1.0	0.6
Mathematics.....	0.6	0.6	0.2
Computer/information science.....	3.4	3.3	3.9
Life sciences.....	5.7	5.7	3.4
Social/behavioral sciences.....	9.5	9.7	9.4
Engineering.....	8.1	8.2	9.7
Humanities.....	14.6	14.5	17.6
Education.....	8.5	8.7	8.3
Business/management.....	19.7	19.8	17.4
Health.....	12.7	12.8	11.4
Vocational/technical.....	2.7	2.6	3.8
Other technical/professional.....	13.5	13.3	14.2

^aTotal includes those with unknown disability status who are not shown separately.

^b2-year institutions, private for-profit institutions, or public less-than-2-year institutions.

^cField classifications reflect National Center for Education Statistics taxonomy and do not correspond to National Science Foundation (NSF) categories. For example, history is included here with the social/behavioral sciences but is not in the social sciences as classified by NSF.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Students With Disabilities in Postsecondary Education: A Profile of Preparation, Participation, and Outcomes*, NCES 1999-187 (Washington, DC, 1999).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table 2-6

Undergraduate enrollment, by type of institution, enrollment status, sex, and race/ethnicity: 1997

Sex and race/ethnicity	Total, all institutions			Public institutions			Private institutions		
	Enrolled full time	Enrolled part time	Percent part time	Enrolled full time	Enrolled part time	Percent part time	Enrolled full time	Enrolled part time	Percent part time
Total.....	7,208,476	4,954,565	40.7	5,378,662	4,423,917	45.1	1,829,814	530,648	22.5
Male.....	3,256,947	2,056,732	38.7	2,446,141	1,850,972	43.1	810,806	205,760	20.2
Female.....	3,951,529	2,897,833	42.3	2,932,521	2,572,945	46.7	1,019,008	324,888	24.2
White, non-Hispanic.....	5,202,927	3,459,859	39.9	3,863,653	3,066,481	44.2	1,339,274	393,378	22.7
Male.....	2,406,342	1,441,403	37.5	1,801,034	1,288,649	41.7	605,308	152,754	20.2
Female.....	2,796,585	2,018,456	41.9	2,062,619	1,777,832	46.3	733,966	240,624	24.7
Asian/Pacific Islander.....	452,093	292,367	39.3	351,991	274,685	43.8	100,102	17,682	15.0
Male.....	220,934	138,537	38.5	174,320	130,299	42.8	46,614	8,238	15.0
Female.....	231,159	153,830	40.0	177,671	144,386	44.8	53,488	9,444	15.0
Black, non-Hispanic.....	810,236	568,719	41.2	608,431	501,774	45.2	201,805	66,945	24.9
Male.....	315,550	204,350	39.3	236,146	181,944	43.5	79,404	22,406	22.0
Female.....	494,686	364,369	42.4	372,285	319,830	46.2	122,401	44,539	26.7
Hispanic.....	671,051	579,207	46.3	494,092	531,123	51.8	176,959	48,084	21.4
Male.....	283,228	250,999	47.0	208,618	230,451	52.5	74,610	20,548	21.6
Female.....	387,823	328,208	45.8	285,474	300,672	51.3	102,349	27,536	21.2
American Indian/Alaskan									
Native.....	72,169	54,413	43.0	60,495	49,854	45.2	11,674	4,559	28.1
Male.....	30,893	21,443	41.0	26,023	19,629	43.0	4,870	1,814	27.1
Female.....	41,276	32,970	44.4	34,472	30,225	46.7	6,804	2,745	28.7

NOTE: Data on race/ethnicity are for U.S. citizens and permanent residents only and do not include students on temporary visas.

SOURCE: Tabulations by National Science Foundation/Division of Science Resources Statistics; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey.

Appendix table 2-7

Total and full-time undergraduate enrollment at 2-year institutions, by sex, citizenship, and race/ethnicity: Fall 1990–97

Enrollment status, sex, citizenship, and race/ethnicity	1990	1991	1992	1993	1994	1995	1996	1997
Total undergraduate enrollment.....	5,200,148	5,573,230	5,708,924	5,551,977	5,499,378	5,459,520	5,476,207	5,467,043
Whites, non-Hispanic.....	3,909,526	4,125,460	4,108,008	3,933,871	3,820,766	3,752,368	3,709,054	3,661,025
Asians/Pacific Islanders.....	219,191	258,244	294,266	300,704	318,042	319,542	327,999	340,358
Blacks, non-Hispanic.....	519,140	566,493	597,906	594,865	609,499	615,301	626,426	638,096
Hispanics.....	432,368	490,074	556,552	569,161	595,490	619,649	655,955	680,791
American Indians/Alaskan Natives.....	52,394	59,234	61,353	61,542	63,361	63,363	64,373	65,469
Temporary residents.....	67,529	73,725	90,839	91,834	92,220	89,297	92,400	81,304
Male.....	2,220,119	2,372,034	2,412,651	2,346,640	2,318,388	2,323,664	2,349,178	2,341,577
Whites, non-Hispanic.....	1,664,659	1,750,727	1,730,628	1,658,049	1,607,986	1,601,607	1,601,902	1,581,983
Asians/Pacific Islanders.....	109,778	128,816	144,208	147,032	154,791	155,100	158,770	163,600
Blacks, non-Hispanic.....	197,115	213,536	221,657	220,867	224,090	228,217	234,255	239,045
Hispanics.....	191,955	216,356	245,094	250,092	260,470	269,573	283,559	292,155
American Indians/Alaskan Natives.....	21,529	24,414	25,249	25,294	25,692	25,983	26,505	26,905
Temporary residents.....	35,083	38,185	45,815	45,306	45,359	43,184	44,187	37,889
Female.....	2,980,029	3,201,196	3,296,273	3,205,337	3,180,990	3,135,856	3,127,029	3,125,466
Whites, non-Hispanic.....	2,244,867	2,374,733	2,377,380	2,275,822	2,212,780	2,150,761	2,107,152	2,079,042
Asians/Pacific Islanders.....	109,413	129,428	150,058	153,672	163,251	164,442	169,229	176,758
Blacks, non-Hispanic.....	322,025	352,957	376,249	373,998	385,409	387,084	392,171	399,051
Hispanics.....	240,413	273,718	311,458	319,069	335,020	350,076	372,396	388,636
American Indians/Alaskan Natives.....	30,865	34,820	36,104	36,248	37,669	37,380	37,868	38,564
Temporary residents.....	32,446	35,540	45,024	46,528	46,861	46,113	48,213	43,415
Full-time undergraduate enrollment, total.....	1,873,618	2,052,070	2,091,798	2,057,807	2,041,011	1,993,537	2,009,906	2,027,351
Whites, non-Hispanic.....	1,375,799	1,479,121	1,477,967	1,426,491	1,382,761	1,337,624	1,334,522	1,339,137
Asians/Pacific Islanders.....	76,906	92,123	103,316	109,387	117,904	117,434	117,865	120,433
Blacks, non-Hispanic.....	206,724	233,782	238,008	239,634	244,657	239,700	247,673	251,566
Hispanics.....	157,690	183,204	201,160	208,117	218,992	224,517	234,178	241,164
American Indians/Alaskan Natives.....	20,284	24,169	25,581	25,949	26,828	26,194	26,740	27,339
Temporary residents.....	36,215	39,671	45,766	48,229	49,869	48,068	48,928	47,712
Male.....	878,317	953,451	959,787	938,705	920,081	891,210	897,828	907,968
Whites, non-Hispanic.....	655,608	699,043	690,128	663,172	636,033	611,426	611,084	615,410
Asians/Pacific Islanders.....	41,129	48,455	53,335	55,998	60,189	59,663	59,615	60,218
Blacks, non-Hispanic.....	83,663	93,969	92,821	93,207	92,531	89,609	92,841	96,716
Hispanics.....	69,227	80,094	88,601	90,581	94,445	95,247	98,559	100,286
American Indians/Alaskan Natives.....	8,955	10,479	11,023	11,242	11,328	10,954	11,167	11,582
Temporary residents.....	19,735	21,411	23,879	24,505	25,555	24,311	24,562	23,756
Female.....	995,301	1,098,619	1,132,011	1,119,102	1,120,930	1,102,327	1,112,078	1,119,383
Whites, non-Hispanic.....	720,191	780,078	787,839	763,319	746,728	726,198	723,438	723,727
Asians/Pacific Islanders.....	35,777	43,668	49,981	53,389	57,715	57,771	58,250	60,215
Blacks, non-Hispanic.....	123,061	139,813	145,187	146,427	152,126	150,091	154,832	154,850
Hispanics.....	88,463	103,110	112,559	117,536	124,547	129,270	135,619	140,878
American Indians/Alaskan Natives.....	11,329	13,690	14,558	14,707	15,500	15,240	15,573	15,757
Temporary residents.....	16,480	18,260	21,887	23,724	24,314	23,757	24,366	23,956

NOTE: Data on race/ethnicity are for U.S. citizens and permanent residents only and do not include students on temporary visas.

SOURCE: Tabulations by National Science Foundation, Division of Science Resources Statistics; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, various years.

Appendix table 2-8

Total and full-time undergraduate enrollment at 4-year institutions, by sex, citizenship, and race/ethnicity: Fall 1990–97

Enrollment status, sex, citizenship, and race/ethnicity	1990	1991	1992	1993	1994	1995	1996	1997
Total undergraduate enrollment.....	6,910,699	7,022,105	6,984,854	6,930,836	6,918,323	6,940,306	6,948,363	6,991,413
Whites, non-Hispanic.....	5,363,913	5,383,067	5,280,218	5,167,214	5,096,004	5,053,834	5,022,403	5,023,473
Asians/Pacific Islanders.....	287,646	306,922	326,197	342,189	365,466	381,286	393,774	404,941
Blacks, non-Hispanic.....	629,839	664,759	684,826	697,756	710,185	720,751	728,484	743,932
Hispanics.....	433,728	459,272	476,265	495,187	514,441	547,823	562,756	573,016
American Indians/Alaskan Natives.....	43,102	46,605	49,526	51,185	54,073	57,365	58,570	61,722
Temporary residents.....	152,471	161,480	167,822	177,305	178,154	179,247	182,376	184,329
Male.....	3,218,474	3,260,656	3,231,462	3,200,486	3,165,954	3,143,706	3,126,442	3,126,259
Whites, non-Hispanic.....	2,520,118	2,522,583	2,465,098	2,409,240	2,355,414	2,316,735	2,289,004	2,276,538
Asians/Pacific Islanders.....	147,840	155,857	164,356	171,257	181,169	186,984	191,970	196,327
Blacks, non-Hispanic.....	251,274	265,112	274,466	279,327	279,422	279,163	279,421	282,075
Hispanics.....	189,210	201,887	208,394	217,063	225,312	235,589	240,158	243,587
American Indians/Alaskan Natives.....	18,409	19,772	21,323	21,939	22,958	24,240	24,503	25,746
Temporary residents.....	91,623	95,445	97,825	101,660	101,679	100,995	101,386	101,986
Female.....	3,692,225	3,761,449	3,753,392	3,730,350	3,752,369	3,796,600	3,821,921	3,865,154
Whites, non-Hispanic.....	2,843,795	2,860,484	2,815,120	2,757,974	2,740,590	2,737,099	2,733,399	2,746,935
Asians/Pacific Islanders.....	139,806	151,065	161,841	170,932	184,297	194,302	201,804	208,614
Blacks, non-Hispanic.....	378,565	399,647	410,360	418,429	430,763	441,588	449,063	461,857
Hispanics.....	244,518	257,385	267,871	278,124	289,129	312,234	322,598	329,429
American Indians/Alaskan Natives.....	24,693	26,833	28,203	29,246	31,115	33,125	34,067	35,976
Temporary residents.....	60,848	66,035	69,997	75,645	76,475	78,252	80,990	82,343
Full-time undergraduate enrollment, total.....	5,222,876	5,294,190	5,277,425	5,245,045	5,246,532	5,282,248	5,330,624	5,406,488
Whites, non-Hispanic.....	4,034,270	4,030,892	3,959,065	3,884,439	3,837,717	3,826,066	3,839,203	3,875,918
Asians/Pacific Islanders.....	232,262	247,344	264,293	277,718	298,443	310,674	321,350	332,196
Blacks, non-Hispanic.....	471,710	500,020	515,181	524,249	532,441	538,959	547,695	560,544
Hispanics.....	325,619	345,742	360,406	373,301	385,729	411,599	423,164	432,812
American Indians/Alaskan Natives.....	30,773	33,170	35,361	36,761	39,081	41,175	42,438	45,224
Temporary residents.....	128,242	137,022	143,119	148,577	153,121	153,775	156,774	159,794
Male.....	2,504,844	2,530,853	2,513,623	2,491,793	2,467,981	2,456,231	2,455,733	2,471,189
Whites, non-Hispanic.....	1,956,059	1,949,535	1,908,124	1,867,961	1,827,906	1,803,534	1,794,827	1,797,401
Asians/Pacific Islanders.....	119,626	126,025	133,705	139,678	148,463	152,892	156,980	161,023
Blacks, non-Hispanic.....	194,303	205,962	212,782	216,568	216,478	216,225	216,805	219,630
Hispanics.....	142,985	152,534	158,690	164,315	169,260	177,870	180,556	184,242
American Indians/Alaskan Natives.....	13,718	14,602	15,762	16,448	17,290	18,124	18,396	19,521
Temporary residents.....	78,153	82,195	84,560	86,823	88,584	87,586	88,169	89,372
Female.....	2,718,032	2,763,337	2,763,802	2,753,252	2,778,551	2,826,017	2,874,891	2,935,299
Whites, non-Hispanic.....	2,078,211	2,081,357	2,050,941	2,016,478	2,009,811	2,022,532	2,044,376	2,078,517
Asians/Pacific Islanders.....	112,636	121,319	130,588	138,040	149,980	157,782	164,370	171,173
Blacks, non-Hispanic.....	277,407	294,058	302,399	307,681	315,963	322,734	330,890	340,914
Hispanics.....	182,634	193,208	201,716	208,986	216,469	233,729	242,608	248,570
American Indians/Alaskan Natives.....	17,055	18,568	19,599	20,313	21,791	23,051	24,042	25,703
Temporary residents.....	50,089	54,827	58,559	61,754	64,537	66,189	68,605	70,422

NOTE: Data on race/ethnicity are for U.S. citizens and permanent residents only and do not include students on temporary visas.

SOURCE: Tabulations by National Science Foundation, Division of Science Resources Statistics; data from U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, various years.

Appendix table 2-9

First university degree enrollments, by country and sex: 1998

Country	Total	Male	Female	Percent female enrollment
Australia.....	622,280	277,653	344,627	55.4
Canada.....	843,894	361,755	482,139	57.1
France.....	1,452,786	641,797	810,989	55.8
Germany.....	1,785,938	1,008,023	777,915	43.6
Italy.....	1,823,210	795,600	1,027,610	56.4
Japan.....	2,753,492	1,773,326	980,166	35.6
Mexico.....	1,620,335	834,737	785,598	48.5
South Korea.....	1,547,924	1,010,367	537,557	34.7
Spain.....	1,596,644	745,087	851,557	53.3
Turkey.....	1,007,053	630,889	376,164	37.4
United Kingdom.....	1,280,380	615,109	665,270	52.0
United States.....	10,218,528	4,502,221	5,716,306	55.9

NOTE: A first university degree refers to completion of an undergraduate degree program. These degrees are classified as level 6 in the International Standard Classification of Education, although individual countries use different names for the first terminal degree: for example, *laureata* in Italy, *diplome* in Germany, *maitrise* in France, and bachelor's degree in the United States and in Asian countries.

SOURCE: Organisation for Economic Co-operation and Development, *Education at a Glance* (Paris, 2000).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table 2-10

Percentage of U.S. freshmen intending S&E majors, by race/ethnicity and sex: 2000

Race/ethnicity and sex	All S&E	Physical sciences	Mathematics and statistics	Computer sciences	Biological/agricultural sciences	Social and behavioral sciences	Engineering
White, non-Hispanic.....	29.3	2.0	0.7	3.0	6.6	8.7	8.3
Male.....	37.0	2.5	0.9	5.6	6.0	6.7	15.3
Female.....	23.5	1.5	0.6	0.8	7.5	10.6	2.5
Asian/Pacific Islander.....	41.8	1.5	0.6	8.3	10.2	7.4	13.8
Male.....	51.8	1.7	0.7	13.3	8.5	5.5	22.1
Female.....	33.3	1.3	0.7	4.0	11.7	8.9	6.7
Black, non-Hispanic.....	34.7	1.2	0.5	6.0	7.5	11.1	8.4
Male.....	38.3	1.4	0.4	9.0	5.8	6.5	15.2
Female.....	33.0	1.2	0.5	4.2	8.6	14.1	4.4
Chicano/Puerto Rican.....	32.2	1.4	0.6	2.7	7.1	12.3	8.1
Male.....	38.4	1.7	0.6	5.1	7.1	7.7	16.2
Female.....	27.2	1.2	0.5	1.1	6.9	15.3	2.2
Other Hispanic.....	33.3	1.3	0.3	3.8	7.6	12.7	7.6
Male.....	40.1	1.8	0.3	7.4	6.8	8.5	15.3
Female.....	29.2	0.9	0.3	1.4	8.5	15.3	2.8
American Indian/Alaskan Native.....	32.0	2.6	0.4	2.7	6.7	11.8	7.8
Male.....	36.6	3.6	0.4	5.1	4.9	8.2	14.4
Female.....	28.4	1.8	0.3	0.9	7.9	14.4	3.1

NOTES: Data include first-year students at all 4-year colleges. Percentages by discipline may not add to total because of rounding.

SOURCE: Higher Education Research Institute, Survey of the American Freshman: National Norms, special tabulations prepared for the National Science Foundation, Division of Science Resources Statistics (Los Angeles: University of California–Los Angeles, 2000).

Appendix table 2-11

**Total and full-time first-year undergraduate enrollment in engineering programs, by sex, citizenship, and race/ethnicity:
1990–99**

Page 1 of 2

Year	Total	Men	Women	U.S. citizens and permanent residents					Temporary residents
				Whites, non-Hispanic	Asians/ Pacific Islanders	Blacks, non-Hispanic	Hispanics	American Indians/ Alaskan Natives	
	Number								
Total undergraduate enrollment									
1990.....	380,287	318,471	61,816	288,732	30,898	20,833	18,873	1,463	19,488
1991.....	379,977	316,441	63,536	271,906	37,803	24,563	22,441	1,688	21,576
1992.....	382,525	316,460	66,065	270,942	38,480	25,722	23,863	1,932	21,586
1993.....	375,944	309,412	66,532	263,073	37,835	25,920	24,586	1,931	22,599
1994.....	367,298	300,643	66,655	256,287	37,009	24,994	25,216	2,028	21,764
1995.....	363,315	296,029	67,286	249,896	38,329	25,569	25,998	2,103	21,420
1996.....	356,177	288,559	67,618	243,270	37,873	24,922	26,483	2,396	21,233
1997.....	365,358	294,593	70,765	246,950	39,475	24,809	30,580	2,422	21,122
1998.....	366,991	294,598	72,383	248,439	40,523	25,699	28,802	2,418	21,110
1999.....	361,395	290,019	71,376	243,560	39,891	25,419	29,111	2,396	21,018
Full-time first-year undergrad enrollment									
1990.....	94,346	77,672	16,674	67,197	7,926	8,370	5,885	526	4,442
1991.....	93,002	76,018	16,984	65,560	8,212	8,305	5,949	582	4,394
1992.....	93,427	74,870	17,947	65,264	8,153	8,924	6,347	633	4,106
1993.....	88,875	71,921	16,954	61,633	7,969	8,271	6,247	607	4,148
1994.....	85,047	68,545	16,502	59,455	7,673	7,372	6,157	617	3,773
1995.....	86,299	69,102	17,197	59,864	7,767	7,890	6,500	601	3,677
1996.....	85,375	68,375	17,000	58,929	7,997	7,482	6,602	656	3,709
1997.....	90,882	72,943	17,943	61,882	9,125	7,403	7,757	688	4,027
1998.....	94,909	76,281	18,628	65,578	9,509	8,028	7,018	719	4,057
1999.....	93,951	75,919	18,032	64,472	9,570	7,989	7,070	676	4,174
	Percent								
Total undergraduate enrollment									
1990.....	100.0	83.7	16.3	75.9	8.1	5.5	5.0	0.4	6.1
1991.....	100.0	83.3	16.7	71.6	9.9	6.5	5.9	0.4	6.8
1992.....	100.0	82.7	17.3	70.8	10.1	6.7	6.2	0.5	6.8
1993.....	100.0	82.3	17.7	70.0	10.1	6.9	6.5	0.5	7.3
1994.....	100.0	81.9	18.1	69.8	10.1	6.8	6.9	0.6	7.2
1995.....	100.0	81.5	18.5	68.8	10.5	7.0	7.2	0.6	7.2
1996.....	100.0	81.0	19.0	68.3	10.6	7.0	7.4	0.7	7.4
1997.....	100.0	80.6	19.4	67.6	10.8	6.8	8.4	0.7	7.2
1998.....	100.0	80.3	19.7	67.7	11.0	7.0	7.8	0.7	7.2
1999.....	100.0	80.2	19.8	67.4	11.0	7.0	8.1	0.7	7.2

See SOURCE at end of table.

Appendix table 2-11

Total and full-time first-year undergraduate enrollment in engineering programs, by sex, citizenship, and race/ethnicity: 1990–99

Page 2 of 2

Year	Total	Men	Women	U.S. citizens and permanent residents					Temporary residents
				Whites, non-Hispanic	Asians/ Pacific Islanders	Blacks, non-Hispanic	Hispanics	American Indians/ Alaskan Natives	
Full-time first-year undergrad enrollment	Percent								
1990.....	100.0	82.3	17.7	71.2	8.4	8.9	6.2	0.6	4.7
1991.....	100.0	81.7	18.3	70.5	8.8	8.9	6.4	0.6	4.7
1992.....	100.0	80.1	19.2	69.9	8.7	9.6	6.8	0.7	4.4
1993.....	100.0	80.9	19.1	69.3	9.0	9.3	7.0	0.7	4.7
1994.....	100.0	80.6	19.4	69.9	9.0	8.7	7.2	0.7	4.4
1995.....	100.0	80.1	19.9	69.4	9.0	9.1	7.5	0.7	4.3
1996.....	100.0	80.1	19.9	69.0	9.4	8.8	7.7	0.8	4.3
1997.....	100.0	80.3	19.7	68.1	10.0	8.1	8.5	0.8	4.4
1998.....	100.0	80.4	19.6	69.1	10.0	8.5	7.4	0.8	4.3
1999.....	100.0	80.8	19.2	68.6	10.2	8.5	7.5	0.7	4.4

SOURCE: American Association of Engineering Societies, Engineering Workforce Commission, special tabulations (Washington, DC).

Appendix table 2-12

Total and full-time first-year undergraduate enrollment in engineering programs, by sex, citizenship, and race/ethnicity: 1999

Enrollment status and sex	Total	U.S. citizens and permanent residents					Temporary residents
		Whites, non-Hispanic	Asians/ Pacific Islanders	Blacks, non-Hispanic	Hispanic	American Indians/Alaskan Natives	
	Number						
Total undergraduate enrollment.....	361,395	243,560	39,891	25,419	29,111	2,396	21,018
Male.....	290,019	201,044	30,691	16,882	22,289	1,792	17,321
Female.....	71,376	42,516	9,200	8,537	6,822	604	3,697
Full-time first-year enrollment.....	93,951	64,472	9,570	7,989	7,070	676	4,174
Male.....	75,919	53,613	7,504	5,352	5,408	516	3,526
Female.....	18,032	10,859	2,066	2,637	1,662	160	648
	Percent						
Total undergraduate enrollment.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male.....	80.2	82.5	76.9	66.4	76.6	74.8	82.4
Female.....	19.8	17.5	23.1	33.6	23.4	25.2	17.6
Full-time first-year enrollment.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male.....	80.8	83.2	78.4	67.0	76.5	76.3	84.5
Female.....	19.2	16.8	21.6	33.0	23.5	23.7	15.5

SOURCE: American Association of Engineering Societies, Engineering Workforce Commission, special tabulations (Washington, DC).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table 2-13

Percentage of undergraduates receiving various types of aid and average amount of aid received, by sex and race/ethnicity: Academic year 1995/96

Sex and race/ethnicity	Type of aid received					Average amount of total aid received (dollars)
	Any aid	Grants	Loans	Work-study	Other	
Total.....	49.7	39.0	25.6	5.0	7.4	4,926
Male.....	46.7	35.8	24.4	4.3	8.7	5,110
Female.....	51.9	41.4	26.5	5.6	6.5	4,801
White, non-Hispanic.....	47.1	35.4	25.6	4.6	7.5	5,009
Asian/Pacific Islander.....	42.9	35.7	21.3	6.6	5.7	6,268
Black, non-Hispanic.....	62.9	52.8	30.9	6.1	9.8	4,700
Hispanic.....	54.2	47.3	22.3	5.8	5.2	4,152
American Indian/Alaskan Native.....	59.4	48.4	25.2	3.9	12.0	4,642

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1995–96 National Postsecondary Student Aid Study.

Appendix table 2-14

Percentage distribution of 1989/90 beginning postsecondary students seeking bachelor's degrees, by persistence toward and completion of bachelor's and other degrees, by sex and race/ethnicity: Spring 1994

Sex and race/ethnicity	Completed a degree			Still enrolled for bachelor's ^b	No degree, no longer enrolled toward bachelor's ^c
	Bachelor's	Associate's ^a	Certificate ^a		
Male.....	41.3	4.8	2.7	20.3	30.9
Female.....	50.3	5.4	4.0	14.6	25.7
White, non-Hispanic.....	48.1	4.9	3.3	16.6	27.0
Asian/Pacific Islander.....	46.8	5.3	0.6	21.8	25.5
Black, non-Hispanic.....	34.3	7.3	3.6	18.0	36.8
Hispanic.....	32.4	3.5	5.4	22.1	36.6
American Indian/Alaskan Native.....	S	S	S	S	S

S data suppressed for reasons of confidentiality and/or data reliability

^aIncludes only students who are no longer working toward a bachelor's degree but who have completed another type of degree or award.

^bIncludes students who have completed another type of degree or award but are still working toward a bachelor's degree.

^cIncludes students who are no longer enrolled and students who are still enrolled but no longer working toward a bachelor's degree.

NOTE: Details may not add to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *The Condition of Education 1998*, NCES 98-013 (Washington, DC: U.S. Government Printing Office, 1998), supplemental table 12-1.

Women, Minorities and Persons With Disabilities in Science and Engineering: 2002

Appendix table 2-15

Percentage of 1994 freshmen intending to major in S&E and percentage of 1998 bachelor's degree recipients earning degrees in S&E, by sex and race/ethnicity

Race/ethnicity	All 1994 freshmen		Males		Females	
	Intended to major in S&E	Received S&E baccalaureate	Intended to major in S&E	Received S&E baccalaureate	Intended to major in S&E	Received S&E baccalaureate
White, non-Hispanic.....	30.3	31.0	37.1	36.6	24.8	26.6
Asian/Pacific Islander.....	44.2	48.6	52.6	55.8	35.6	42.3
Black, non-Hispanic.....	33.8	32.1	38.3	34.8	30.8	30.6
Hispanic ^a	36.5/40.3	32.9	39.6/46.8	37.7	33.6/34.4	29.6
American Indian/Alaskan Native.....	29.5	31.0	34.1	36.4	26.2	27.4

^aData on freshman intentions are reported separately for Hispanic subgroups. The number to the left of the slash is for Mexican Americans and Puerto Ricans. The number to the right of the slash is for other Hispanics.

NOTE: S&E includes the social sciences.

SOURCES: Higher Education Research Institute, Survey of the American Freshman: National Norms, special tabulations prepared for the National Science Foundation, Division of Science Resources Statistics (Los Angeles: University of California–Los Angeles, 2000); and U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey.

Appendix table 2-16

Percentage distribution of 1989/90 beginning postsecondary students according to persistence status and highest undergraduate degree attained, by disability status: Spring 1994

Persistence status and highest degree	Total	Without disabilities	With disabilities
Persistence			
Attained degree or enrolled.....	63.2	64.1	52.9
Attained degree or certificate.....	50.0	50.7	41.1
Enrolled in 1994.....	13.3	13.4	11.8
Not enrolled/no degree or certificate.....	36.8	36.0	47.2
Highest undergraduate degree attained by 1994			
None.....	50.1	49.3	58.9
Certificate.....	12.9	12.5	18.8
Associate's.....	11.2	11.6	6.0
Bachelor's.....	25.8	26.6	16.3

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Students With Disabilities in Postsecondary Education: A Profile of Preparation, Participation, and Outcomes*, NCES 1999-187 (Washington, DC, 1999).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002